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Order from OTS or SLA \$4.60

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Trans. of unidentified Russian mono., n.p., n.d.

DESCRIPTORS: *Diptera, Classification, Plants,
USSR.

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DESCRIPTORS: Insects, *Diptera, *Drosophila,
Anatomy, Classification, Ecology.

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Physiology, Identification.

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Trans. of [Yogyo Kyokaiishi] (Japan) 1959, v. 67, no. 3,
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DESCRIPTORS: *Glass, *Melting, *Fluid flow, Glycer-
ols, Velocity, Models (Simulation), Heat transfer,
Equations, Test equipment, Tests.

See also 60-18542

(Materials--Ceramics, TT, v. 10, no. 3)

1. Title: Throat current theory
2. Title: Glass furnaces
- I. Naruse, A.
- II. Shimura, F.
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- IV. Title: Studies ...

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The velocity distribution of convection currents in the throat of a glass melting tank was observed. Glycerine was used as the current body in place of molten glass and the current was traced with 2-bromnaphthalene and spindle oil colored with sudan III. The formula $f^{1/4}h_{opt} = 2.91(W_1^{1/2}/\rho_o \rho_{bgk\Delta\Theta})^{1/4}$ was derived for finding the throat dimensions for minimum erosion speed of throat refractories. The formula also determines the critical condition for the elimination of (Materials--Ceramics, TT, v. 5, no. 6) (over)

60-18542

1. Glass--Melting
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HEAT TREATMENT AND MECHANICAL PROPERTIES OF PARTS MADE OF MAGNESIUM ALLOYS [AND] STRUCTURAL CHANGES IN THE METAL OF A TRANSITION ZONE OF A SPOT WELDED JOINT MADE OF MAGNESIUM ALLOYS (Termoobrabotka Mekhanicheskiye Svoystva Detaley iz Magnilyevykh Splavov) [and] Strukturnyye Izmeneniya v Metalle Perekhodnoy Zony Svarnogo Tochechnogo Soyedineniya iz Magnilyevykh Splavov). 10 Oct 60 [10]p. (4 figs. 1 table omitted). MCL-125/1.
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DESCRIPTORS: *Magnesium alloys, *Heat treatment, *Magnetic properties, *Spot welds.

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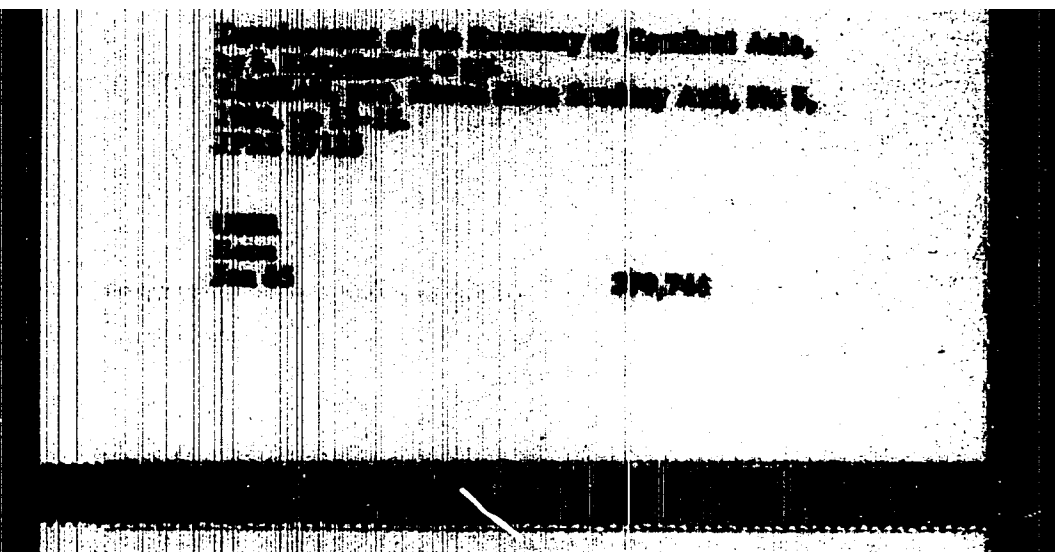
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 Order from OTS or SLA \$1. 60 63-23591

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DESCRIPTORS: *Homoptera, Taxonomy, Lice,
 Arthropods, Mountains, Ecology.

The following new species are characterized: Periphyllus mamontovae; Neothomasia pruinosa; Acyrtosiphon rubri; A. spiraee; Avicennina sogdiana (Avicennina being a new genus); Liosomaphis lydiae; Myzaphis bey-bienkoi; Tricaudatus (Rhopalomyzus) berberidis (Tricaudatus being a new genus); Hyalurgula alzenbergi; Brevicorys shaposhnikovi; Dysaphis pavlovskiyana; Pemphigus iskanderkuli; P. montanus.
 (Earth Sciences--Zoology, TT, v. 10, no. 12)

1. Title: Tadzhikistan
 I. Narzykulov, M. N.

6

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Narzykulov, M. N.
SOME RESULTS OF STUDIES ON THE DENDROPHILOUS
APHIDS (HOMOPTERA APHIDIDAE) OF
TADZHIKISTAN, tr. by R. Ericson. June 60, 14p.
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Trans. of Entomologicheskoe Obozrenie (USSR)
1957, v. 36, no. 4, p. 877-894. (Abstract available)

DESCRIPTORS: *Homoptera, Taxonomy, Ecology,
*Lice, Arthropods,

Topics include: Distribution of aphids in the territory
in connection with characteristics of the relief; some
reasons for disturbance of vertical zonality; and
ecologico-faunistic complex of dendrophilous aphids.

(Biological Sciences--Zoology, TT, v. 11, no. 1)

TT-63-23592

1. Title: Tadzhikistan
I. Narzykulov, M. N.

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Substitution of Hydrogen Atoms in the Benzene Ring
by Alkyl Groups. X. Equations for the Composition
of the Products of Alkylation of Isopropylbenzene
by Propylene in the Presence of Aluminium Chloride
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V. G. Plyusina, M. I. Nasakina, et al, 3 pp.

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pp 1389-1394.

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Order from SLA \$1.60

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Trans. of Zelt[schrift für] Phys[ikalische] Chem[ie], Leipzig] (Germany) 1941, v. 188A, p. 272-283.

DESCRIPTORS: *Magnesium compounds, *Hydroxides, Determination, Electrolytic titration, Solubility, Mathematical analysis.

General equations are deduced which are needed for the determination of the solubility product from the maximum change of potential and adapted for the special case of magnesium hydroxide. The concentration solubility product of magnesium hydroxide is determined at different contents of KCl. The thermodynamic solubility product as calculated according to (Chemistry--Analytical, TT, v. 8, no. 9) (over)

62-18009

I. Näsänen, R.

C226059

Office of Technical Services

the theory of Debye-Hückel from the measured values is 3.07×10^{-11} . The theoretically expected difference between the point of equivalency and the point of inflection of the curve is confirmed experimentally in the case of the alkalimetric titration of magnesium. (Author)

PB-

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